BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Bagalagunte

NAME OF WORK :	**Modified Estimate for Improvements to roads and drains at Bhoomika Layout in Bagalagunte in Ward No.14**

Estimated Cost Rs. 1896332.00

Sl.No.	Description of work	Measurments No.s	L	B	D	Qty	Unit	Rate	Amount
1	Earthwork excavation by manual means in Ordinary Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. icomplete.(PWD SR 2016-17, Page No.142, Item No. 19.1)								
	Rate=Basic rate + 6% of B.R(area weightage) =82.00+4.92=86.92/cum								
		1	1	229.00	1.20	1.10	302.28		
				Total qty.			**302.28**		
	Rate: As per Schedule-B			Qty. Executed Upto 125%			141.00	cum	86.92	12256.00
				Qty. Executed Above 125%			161.28	cum	86.92	14018.00
2	KSRB 4 -1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (PWD SR 2016-17, Page No.12, Item No. 4.3)								
	Rate=Basic rate + 6% of B.R(area weightage) =4867.00+292.02=5159.02/cum								
	for drain	1	1	229.00	1.20	0.15	41.22		
				Total qty.			**41.22**		
	Rate: As per Schedule-B			Qty. Executed Upto 125%			21.15	cum	5159.02	109113.00
				Qty. Executed Above 125%			20.07	cum	5159.02	103542.00
3	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc,. And removal of form work for **vertical surface** such as walls at any thickness, includig attached pilasters, butresses, plinth cills and string courses cost of all materials, labour complete as per specifications. (Pg. No.15, It. No.4.31)								
	Rate=Basic rate +6% of B.R(area weightage) =293.00+17.58=310.58/sqm								
	for drain	1	4	229.00		0.90	824.40		
				Total qty.			**824.40**		
	Rate: As per Schedule-B			Qty. Executed Upto 125%			423.00	cum	310.58	131375.00
				Qty. Executed Above 125%			401.40	cum	310.58	124667.00

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4	Providing and laying in position plain cement concrete of mix M1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	Rate=Basic rate + 6% of B.R(area weightage) =5441.00+326.46=5767.46/cum								
	bottom of drn	1	1	229.00	0.90	0.15	30.91		
	side walls	1	2	229.00	0.15	0.90	61.83		
				Total qty.			**92.74**		
	Rate: As per Schedule-B			Qty. Executed Upto 125%			47.58	cum	5767.46	274416.00
				Qty. Executed Above 125%			45.16	cum	5767.46	260458.00
5	KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.185 - I. no 28.8.2]								
	Rate=Basic rate + 6% of B.R(area weightage) =62719.00+3763.14=66482.14/ton								
	10mm dia bars @ 100mm C/C								
	u shape bars	2290	1	2.60	@	0.62	3691.48		
	Distrbution bars	26	1	229.00	@	0.62	3691.48		
							7382.96	kgs	
				Total qty.			**7.38**	**Tonnes**	
	Rate: As per Schedule-B			Qty. Executed Upto 125%			3.82	**Tonnes**	66482.14	253962.00
				Qty. Executed Above 125%			3.56	**Tonnes**	66482.14	236676.00
6	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials - Data rate approved by Chief Engineer, Dasarahalli zone								
	Rate=Data rate approved by CE i.e, =1698/sqm								
		1	1	229.00	0.90		206.10		
				Total qty.			**206.10**	**sqm**	
	Rate: As per Schedule-B			Qty. Executed Upto 125%			105.75	**sqm**	1698.00	179564.00
				Qty. Executed Above 125%			100.35	**sqm**	1698.00	170394.00
7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4KM a) Basic rate for haulage of materials as per item No. 17.4/ KSRRB: M100-4,1 … Rs. 2.00 Tonne / Km b) Average earth of work 1.28 Tonne / Km Rs, 2.00 c) Add loading and unloading Page. No. 133 Item No. 17.1 PWD SR 2016-17								
	Rate=(2.0*1.28*4)+68.00=80.80+6% (AW)=85.65/Cum								
	Qty vide item No.1						302.28		
				Total qty.			**302.28**		

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Rate: As per Schedule-B			Qty. Executed Upto 125%	141.00	cum	85.65	12077.00
			Qty. Executed Above 125%	161.28	cum	85.65	13814.00
						Total	**1896332.00**

(Eighteen Lakhs Ninety Six Thousand Three Hundread Thirty Two Only)

CERTIFICATE

1. *Certified that The work spot has been inspected by me and the work is necessary & site condition*
2. *Certified that the work is not split up*
3. *Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2016-17*
4. *Certified that Adequate & necessary provisions have made in the estimate.*
5. *Certified that the above area comes under BBMP limit*
6. *This Work is not included in any other work taken up*

Asst Engineer
Ward-14

Assistant Executive Engineer
Dasarahalli Sub Division
B.B.M.P

Excecutive Engineer
Dasarahalli Division
B.B.M.P

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